

Appln. No. 10/775,499

CLAIMS

Claim 1 (currently amended): A pump comprising:

a base comprising a socket, wherein the socket defines two apertures;

a pumping set comprising a cylinder inserted in the socket and a piston put in the cylinder, wherein the cylinder defines two apertures;

a first joint put in the cylinder, the first joint comprising a transverse channel and an axial channel in communication with the transverse channel;

a gauge set comprising a gauge, a housing for receiving the gauge and a tube extending from the housing, wherein the tube defines two apertures;

a second joint inserted in the two apertures of the socket, the two apertures of the cylinder, the first joint and the two apertures of the tube, the second joint comprising an axial channel, a first transverse channel for communicating the axial channel thereof with the axial channel of the first joint and a second transverse channel for communicating the axial channel thereof with the tube; and

a nozzle set connected to the second joint, with the tube located intermediate the socket and the nozzle set, with the nozzle set including a nozzle in communication with the second joint, with the second joint being in communication with the axial channel of the first joint, with the second joint being in direct communication with the tube of the gauge set and in direct communication with the nozzle set independent of the communication with the tube of the gauge set.

Claims 2-4 (canceled).

Claim 5 (original): The pump according to claim 1 wherein the gauge set comprises a collar formed on the tube, and the cylinder is inserted in the socket through the collar.

Claim 6 (currently amended): The pump according to claim **[[1]] 22** wherein the pumping set comprises a rod connected with the piston.

Claim 7 (original): The pump according to claim 6 wherein the pumping set comprises a handle attached to the rod.

Claim 8 (currently amended): The pump according to claim **[[1]] 22** wherein the base comprises at least one pedal extending from the socket.

Claim 9 (currently amended): The pump according to claim **[[1]] 22** wherein the

Appln. No. 10/775,499

nozzle receives a valve of an article to be pumped, and wherein the nozzle set further includes a pipe for communicating the nozzle with the second joint.

Claim 10 (previously presented): The pump according to claim 9 wherein the nozzle set comprises a cap connected to the second joint and for communicating the pipe with the second joint.

Claim 11 (currently amended): The pump according to claim ~~[[1]]~~ 22 wherein the second joint includes a head for abutment against the cylinder, with the cylinder and the tube sandwiched between the nozzle set and the head.

Claim 12 (currently amended): The pump according to claim ~~[[1]]~~ 22 wherein the first joint is made independent of the base.

Claim 13 (currently amended): The pump according to claim ~~[[1]]~~ 22 wherein the first joint is integrated with the base.

Claim 14 (currently amended): A pump comprising:

a base comprising a socket, wherein the socket defines two apertures;

a first joint formed thereon put in the cylinder, the first joint comprising a transverse channel and an axial channel in communication with the transverse channel;

a pumping set comprising a cylinder for receiving the first joint and a piston put in the cylinder, the cylinder defining two apertures in communication with the transverse channel of the first joint;

a gauge set comprising a gauge, a housing for receiving the gauge and a tube extending from the housing and defining two apertures in communication with the transverse channel of the first joint;

a second joint inserted in the apertures of the cylinder, the transverse channel of the first joint and the apertures of the tube, the second joint comprising an axial channel, a first transverse channel for communicating the axial channel thereof with the axial channel of the first joint and a second transverse channel for communicating the axial channel thereof with the tube;

a cap connected to the second joint, with the tube located intermediate the socket and the cap, with the cap being in communication with the second transverse channel;
and

Appln. No. 10/775,499

a nozzle in communication with the second joint through the cap, with the second joint being in direct communication with the tube of the gauge set via the second transverse channel and the axial channel, with the second joint being in direct communication with the nozzle set via the axial channel and the cap and independent of communication with the tube of the gauge set.

Claims 15-18 (canceled).

Claim 19 (original): The pump according to claim 14 wherein the gauge set comprises a collar formed on the tube, and the cylinder is inserted in the socket through the collar.

Claim 20 (currently amended): The pump according to claim ~~[[14]]~~ 21 wherein the second joint includes a head for abutment against the cylinder, with the cylinder and the tube sandwiched between the nozzle set and the head.

Claim 21 (new): The pump according to claim 14 wherein the gauge set further comprises a collar formed on the tube, with the housing, tube and collar integrally formed as a single, inseparable component of a same material, with the cylinder slideably received in the collar parallel to the tube.

Claim 22 (new): The pump according to claim 1 wherein the gauge set further comprises a collar formed on the tube, with the housing, tube and collar integrally formed as a single, inseparable component of a same material, with the cylinder slideably received in the collar parallel to the tube.